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Campus: Green Fields, Vaddeswaram - 522 502, Guntur District, Andhra Pradesh, INDIA.
Phone No. 0863 - 2399999; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in
Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 -2577715, Fax: +91-866-2577717.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DATE: 05-10-23 TIME: 5.30PM to 7.10PM Venue: R604

Name of the Faculty Coordinator: Dr. S. Rooban

Name of the Event: Serving Robot Design 1

Event Category (ESO/TEC/CLH,IIE,HWB): TEC

List of student event Organizers:

2200040173 P Manjunaath
2200040238 D Bhanu Prakash Reddy
2200031194 Sandeep
2100040354 ANISH PRAMOD SOLLETI
2100040067 RASAMALA HANISH

Event Report: Serving Robot Design 1

The workshop titled "Serving Robot Design" was organized with the primary objective of equipping students with the necessary skills to set up the design for the serving robot.

A serving robot, as its name suggests, is designed to serve individuals in various capacities. This can range from serving food in a restaurant, delivering medication in a hospital, or assisting with chores in a household. The design of such robots emphasizes functionality, efficiency, and human-robot interaction.

Key Highlights:

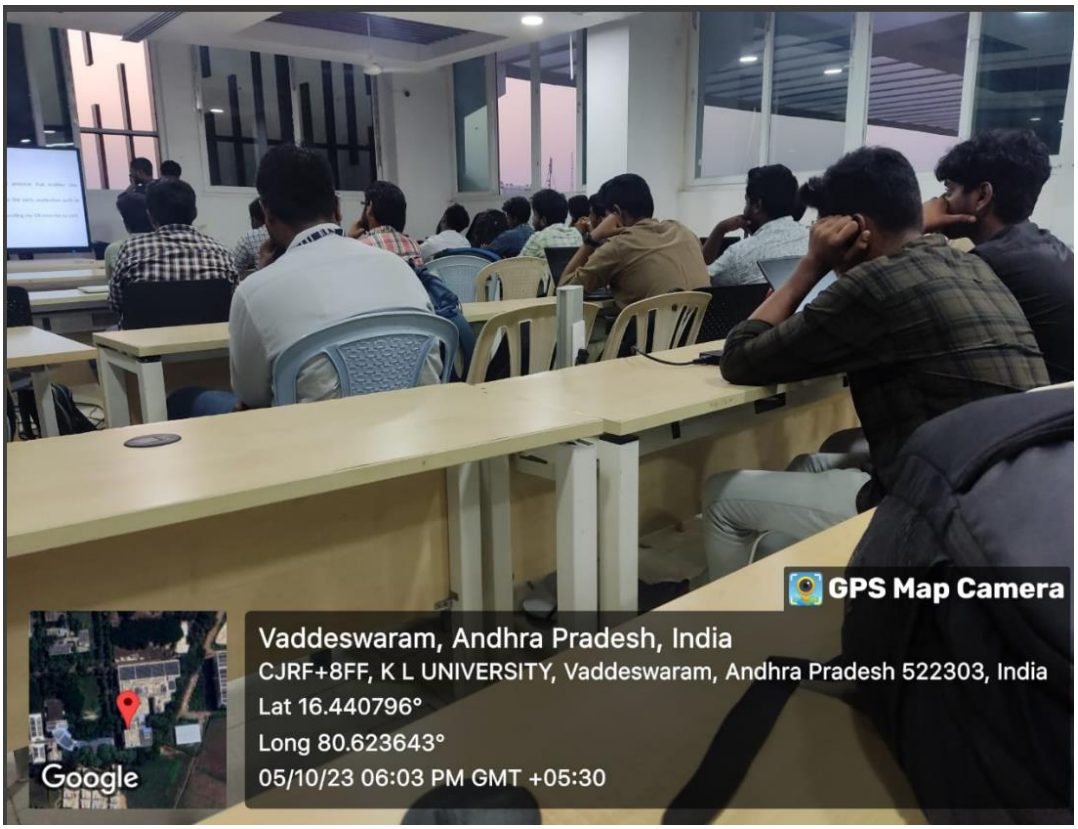
Mobility: Serving robots typically have wheels or legs for movement. This allows them to navigate various terrains and environments, from the smooth floors of a restaurant to the carpeted areas of a home.

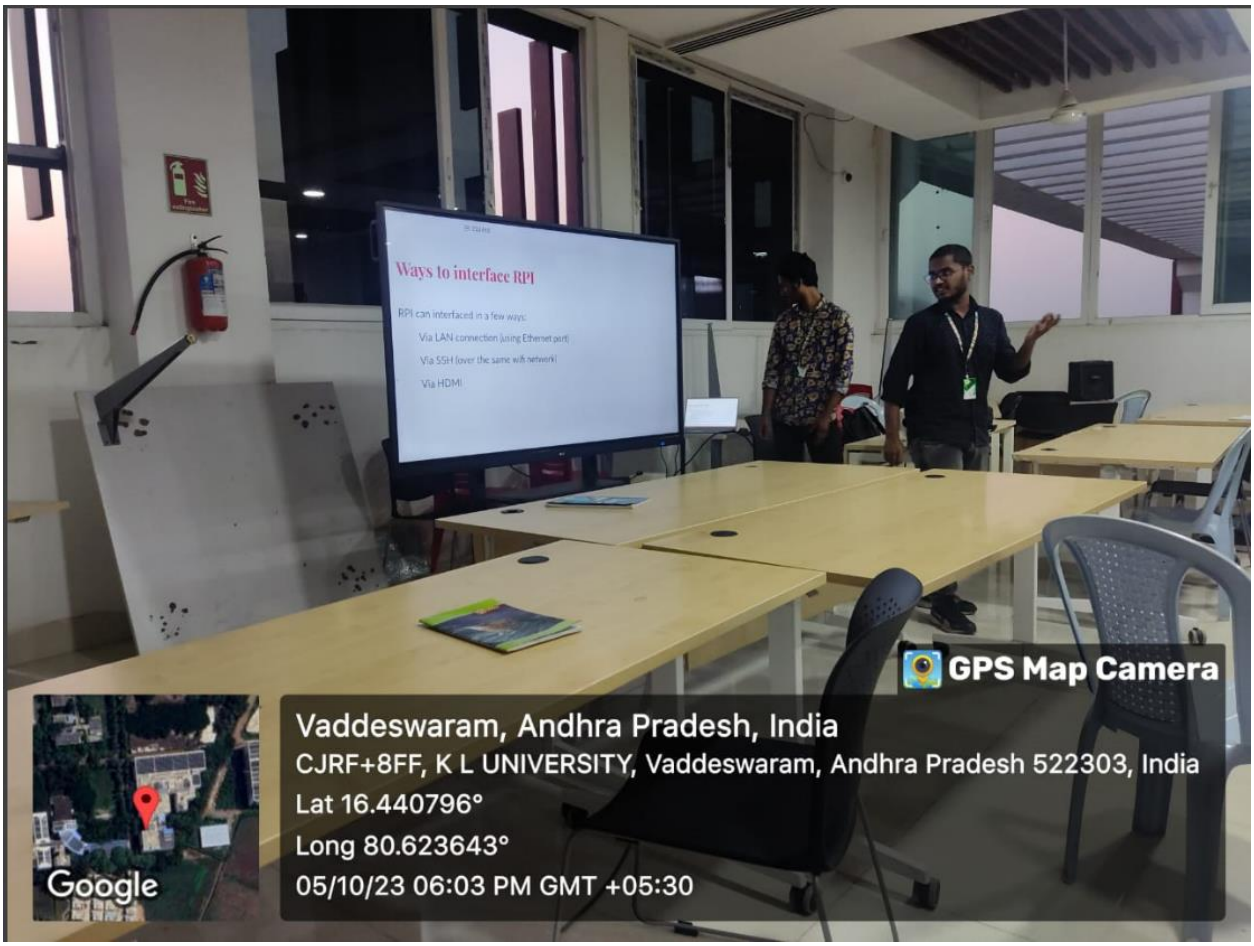
Sensors: They are equipped with a plethora of sensors. These can include:

Vision sensors (cameras) for navigation and recognizing objects or people.

Touch sensors to ensure that they handle objects with care.

Proximity sensors to detect obstacles and avoid collisions. Serving robot designs represent a blend of engineering, aesthetics, and user experience principles. As technology progresses, these robots are expected to become more sophisticated, efficient, and ubiquitous in various sectors, emphasizing the importance of well-thought-out design principles.




Ways to interface RPI
RPI can interfaced in a few ways:
Via LAN connection (using Ethernet port)
Via SSH (over the same wifi network)
Via HDMI
GPS Map Camera
Vaddeswaram, Andhra Pradesh, India
CJRF+8FF, K L UNIVERSITY, Vaddeswaram, Andhra Pradesh 522303, India
Lat 16.440796°
Long 80.623643°
05/10/23 06:03 PM GMT +05:30
Google

List of students who Participated.

S.No	Register No	Name	Dept	Signature
1	2200049144	L.N.S.M Kishor	ECE	
2	2200049119	G.Vikas Reddy	ECE	
3	2200049088	A.Sathwik	ECE	
4	2200049120	E.Manjunadh	ECE	
5	2200049189	N.Shiva Sai	ECE	
6	2200030461	K.Sarveswararao	CSE	
7	2200031258	P.Ankammmarao	CSE	
8	2200031875	Y.Dinesh	CSE	
9	2200032603	CH.Gopala Krishna	CSE	
10	2200031150	V.Venkataswar	CSE	
11	2200031045	V.V.D.S.Anand	CSE	
12	2200040255	P.Panish	ECE	
13	2200040345	Karthik	ECE	
14	2200032152	N.Siddath	CSE	
15	2200032141	G.Sasidhar	CSE	
16	2200033146	B.Ram Seethal	CSE	
17	2200030864	V.Monikesh	CSE	
18	2200031250	T.Vinay	CSE	
19	2200032355	K.Manoj Kumar	CSE	
20	2200030645	R.Harish Reddy	CSE	
21	2200031202	V.Vamsi	CSE	
22	2200040029	P.Venkat Satvik	ECE	

23	2200040024	K.Punith Kumar	ECE	
24	2200040025	B.Narendra Reddy	ECE	
25	2200050001	T.Satya Krishna	ECE	
26	2200050012	T.Bharath	ECE	
27	2200040013	G.Keerthan Sai	ECE	
28	2200040115	G.Hari Sanjay	ECE	
29	2300040137	A.Ramakrishna	ECE	
30	2200049045	L.Suhas	AI/DA	
31	2200089014	V.Chandra Suehar	AI/DA	
32	2200089013	T.Dhanunjaya Rao	ECE	
33	2200049063	CH.Juvan	CSE	
34	2200039074	B.Balaji	ECE	
35	2200049058	T.Seshi Reddy	ECE	
36	2200049154	T.Y Aravind	ECE	
37	2200049090	B.Karthik	ECE	
38	2200049029	A.Band Teja	ECE	
39	2200049116	b.Vasanth	ECE	
40	210040075	D.Sai Machar Reddy	ECE	
41	2100040085	S.Nikatha	ECE	
42	2100040056	P.Ashwaitha	ECE	
43	2200039174	Lasya	CSE	
44	2200040173	Manjunadth	ECE	
45	2200089007	Ryhan	AI&DS	
46	2100040067	R.Harish	ECE	
47	2100040359	Amih	ECE	

48	2200040238	Bhanu	ECE	
49	2200031194	K.Sandeep	CSE	

Outcome

The event served as their first hands-on introduction to serving robot design. Through demonstrations and discussions, they gained initial skills to begin their journey with raspberry pi application development.

Faculty Incharge
Dr. S. Rooban

HOD
Dr. M. Suman

Dr. M. SUMAN
Professor & Head
Department of ECE
K L E F
Green Fields, Vaddeswaram
Guntur Dist., A.P. PIN: 522 502